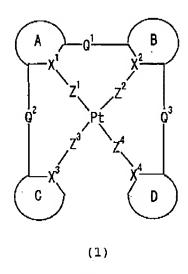
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## AMENDMENTS TO THE CLAIMS

1. (Original) A platinum complex represented by the following general formula (1):



(wherein two rings of ring A, ring B, ring C, and ring D represent nitrogen-containing heterocyclic rings which may have substituent(s) and the remaining two rings of them represent aryl rings or hetero aryl rings which may have substituent(s), the ring A and the ring B, or/and the ring A and the ring C, or/and the ring B and the rind D may form condensed rings, and each of the rings and  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  or  $R^5$  described later may form a condensed ring; two of  $X^1$ ,  $X^2$ ,  $X^3$ , and  $X^4$  represent nitrogen atoms coordination bonded to a platinum atom and the remaining two of them represent carbon atoms or nitrogen atoms.  $Q^1$ ,  $Q^2$ , and  $Q^3$  each represent independently a bivalent atom (group) or single bond providing that  $Q^1$ ,  $Q^2$ , and  $Q^3$  do not represent single bond simultaneously, and two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ , and  $Z^4$  represent coordination bonds, and the remaining two of them represent covalent bonds, oxygen atoms or sulfur atoms).

2. (Original) A platinum complex according to claim 1, wherein, in the general formula (1), a bivalent atom (group) represented by each of  $Q^1$ ,  $Q^2$ , and  $Q^3$  is -  $(CR^1R^2)_{n1}$ , - O  $(CR^1R^2)_{n1}O$ -, - (O)  $_{n2}C$  (=O) (O)  $_{n3}$ -, oxygen atom, sulfur atom, -  $NR^3$ -, - $BR^{3a}$ -, -S (=O) -, -SO<sub>2</sub>-, -O (SO<sub>2</sub>) O-, -Si ( $R^4R^5$ ) -, OSi ( $R^4R^5$ ) O-, or -C (= $CR^3R^b$ ) -, (where  $R^1$  and  $R^2$  each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or alkoxy group; n1

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represents an integer of 1 to 3, and n2 and n3 each represent independently an integer of 0 or 1; R<sup>3</sup> represents hydrogen atom, alkyl group, aralkyl group, or aryl group, R<sup>3a</sup> represents alkyl group, aralkyl group, or aryl group; R<sup>4</sup> and R<sup>5</sup> each represent independently alkyl group, aralkyl group or aryl group; R<sup>a</sup> and R<sup>b</sup> each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or cyano group; and R<sup>1</sup> and R<sup>2</sup>, R<sup>4</sup> and R<sup>5</sup>, or R<sup>a</sup> and R<sup>b</sup> may join to each other to form a ring which may contain a hetero atom in the ring together with the atom substituted with each of them).

- 3. (Previously presented) A platinum complex according to claim 1, wherein two rings of the ring A, ring B, ring C and ring D of the compound represented by the general formula (1) are 5-membered or 6-membered nitrogen-containing heterocyclic rings which may have a substituent, and one or two 5- or 6-membered aromatic hydrocarbon ring or aromatic heterocyclic ring may be condensed to said ring to form condensed rings.
- 4. (Previously presented) A platinum complex according to claim 1, wherein two of the rings of the ring B, ring C, and the ring D of the compound represented by the general formula (1) are nitrogen-containing heterocyclic rings which may have substituent(s) selected from the group consisting of pyridine ring, diazine ring, triazine ring, pyrrole ring, diazole ring, triazole ring, thiadiazole ring, oxazole ring, oxadiazole ring, benzopyridine ring, benzopyridine ring, benzothiazine ring, and benzopyrrole group which may have substituent(s) respectively.
- 5. (Previously presented) A platinum complex according to claim 1, wherein two rings of the ring A, ring B, ring C, and ring D of the compound represented by the general formula (1) are nitrogen-containing heterocyclic rings which may have substituent(s) and the remaining two rings are 6-membered aromatic hydrocarbon rings or aromatic heterocyclic rings, or 5-membered aromatic heterocyclic rings which may have substituent(s), which are aryl rings or heteroaryl rings where one or two 5- or 6-membered aromatic hydrocarbon rings or aromatic heterocyclic rings may be condensed to said rings to form condensed rings.

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- 6. (Previously presented) A platinum complex according to claim 1, wherein two rings of the ring A, ring B, ring C, and ring D of the compound represented by the general formula (1) are nitrogen-containing heterocyclic rings which may have substituent(s) and the remaining two rings are aryl rings or heteroaryl rings which may have substituent(s), selected from benzene ring, pyridine ring, diazine ring, triazine ring, pyriole ring, diazole ring, furan ring, thiophene ring, oxazole ring, and thiazole ring which may have a substituent respectively, or condensed rings where one or two 5- or 6-membered aromatic hydrocarbon rings or aromatic heterocyclic rings are condensed to said rings.
- 7. (Previously presented) A platinum complex according to claim 1 represented by the following general formula (2):

$$(R^{6}) m^{1}$$
 $Z^{1}$ 
 $Z^{2}$ 
 $Z^{3}$ 
 $Z^{4}$ 
 $Z^{4$ 

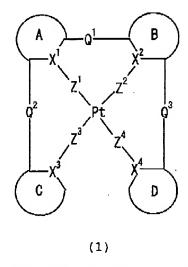
(wherein R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> each represent independently alkyl group, halogenated alkyl group, aralkyl group, alkenyl group, aryl group, amino group, mono- or di-alkyl amino group, mono or di-aralkyl amino group, mono- or di-aryl amino group, alkoxy group, alkenyloxy group, aralkyloxy group, aryloxy group, heteroaryloxy group, acyl group, alkoxycarbonyl group, aryloxycarbonyl group, acyloxy group, acylamino group, alkoxycarbonylamino group, aryloxycarbonylamino group, aralkyloxycarbonylamino group, sulfamoyl group, carbamoyl group, alkylthio group, aralkylthio group, arylthio group, heteroarylthio group, alkanesulfonyl group, arenesulfonyl group, ureido

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group, substituted phosphoramidate group, hydroxyl group, mercapto group, halogen atom, cyano group, sulfo group, carboxyl group, nitro group, hydroxamic acid group, sulfino group, hydrazino group, heterocyclic group, trialkylsilyl group or triarylsilyl group, and R<sup>6</sup> and R<sup>7</sup>, R<sup>6</sup> and R<sup>8</sup> or/and R<sup>7</sup> and R<sup>9</sup> may form condensed rings; m<sup>1</sup>, m<sup>2</sup>, m<sup>3</sup>, and m<sup>4</sup> each represent the number of R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> and independently represent an integer of 0 to 3; in a case where each of m<sup>1</sup>, m<sup>2</sup>, m<sup>3</sup>, and m<sup>4</sup> is an integer of 2 or greater, plural R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> may be different from each other and further, a group of R<sup>6</sup>, a group of R<sup>7</sup>, a group of R<sup>8</sup>, and a group of R<sup>9</sup> may join to each other to form a condensed ring structure;  $Q^1, Q^2$ , and  $Q^3$  each represent independently - (CR<sup>1</sup>R<sup>2</sup>)<sub>n1</sub>, -O (CR<sup>1</sup>R<sup>2</sup>)<sub>n1</sub>O-, - (O)<sub>n2</sub>C (=O) (O)<sub>n3</sub>-, oxygen atom, sulfur atom, - $NR^3$ -,  $-BR^{3a}$ -, -S (=O) -,  $-SO_2$ -, -O (SO<sub>2</sub>) O-, -Si ( $R^4R^5$ ) -, -OSi ( $R^4R^5$ ) O-, -C (= $CR^aR^b$ ) -, or a single bond providing that Q<sup>1</sup>, Q<sup>2</sup>, and Q<sup>3</sup> do not represent single bond simultaneously; R<sup>1</sup> and R<sup>2</sup> in Q<sup>1</sup>, Q<sup>2</sup>, and Q<sup>3</sup> each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or alkoxy group; nl represents an integer of 1 to 3 and n2 and n3 each represent independently an integer of 0 or 1; R3 represents hydrogen atom, alkyl group, aralkyl group, or aryl group, and R<sup>3a</sup> represents alkyl group, aralkyl group or aryl group; R<sup>4</sup> and R<sup>5</sup> each represent independently alkyl group, aralkyl group or aryl group; Ra and Rb each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or cyano group; R1 and R2, R4 and R5, or Ra and Rb may join to each other to form a ring which may contain a hetero atom in the ring together with atoms substituted with each of them; two of X1, X2, X3, and X4 represent nitrogen atoms coordination bonded to the platinum atom and the remaining two of them represent carbon atoms; and two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ , and  $Z^4$  represent coordination bonds, and the remaining two of them represent covalent bonds, oxygen atoms or sulfur atoms).

8. (Previously presented) A light-emitting device in which a light-emitting layer or plural thin organic compound layers containing a light-emitting layer are formed between a pair of electrodes, in which at least one layer is a layer containing at least one kind of platinum complexes represented by the general formula (1):

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(wherein two rings of ring A, ring B, ring C, and ring D represent nitrogen-containing heterocyclic rings which may have substituent(s) and the remaining two rings of them represent aryl rings or hetero aryl rings which may have substituent(s), the ring A and the ring B, or/and the ring A and the ring C, or/and the ring B and the rind D may form condensed rings, and each of the rings and  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  or  $R^5$  described later may form a condensed ring; two of  $X^1$ ,  $X^2$ ,  $X^3$ , and  $X^4$  represent nitrogen atoms coordination bonded to a platinum atom and the remaining two of them represent carbon atoms or nitrogen atoms.  $Q^1$ ,  $Q^2$ , and  $Q^3$  each represent independently a bivalent atom (group) or single bond providing that  $Q^1$ ,  $Q^2$ , and  $Q^3$  do not represent single bond simultaneously, and two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ , and  $Z^4$  represent coordination bonds, and the remaining two of them represent covalent bonds, oxygen atoms or sulfur atoms);

or the general formula (2):

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$$(R^{6}) m^{1}$$
 $Q^{1}$ 
 $Z^{1}$ 
 $Z^{2}$ 
 $Z^{3}$ 
 $Z^{4}$ 
 $Z^{4$ 

(wherein R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> each represent independently alkyl group, halogenated alkyl group, aralkyl group, alkenyl group, alkynyl group, aryl group, amino group, mono- or di-alkyl amino group, mono or di-aralkyl amino group, mono- or di-aryl amino group, alkoxy group, alkenyloxy group, aralkyloxy group, aryloxy group, heteroaryloxy group, acyl group, alkoxycarbonyl group, aryloxycarbonyl group, acyloxy group, acylamino group, alkoxycarbonylamino group, aryloxycarbonylamino group, aralkyloxycarbonylamino group, sulfonylamino group, sulfamoyl group, carbamoyl group, alkylthio group, aralkylthio group, arylthio group, heteroarylthio group, alkanesulfonyl group, arenesulfonyl group, alkanesulfinyl group, arenesulfinyl group, ureido group, substituted phosphoramidate group, hydroxyl group, mercapto group, halogen atom, cyano group, sulfo group, carboxyl group, nitro group, hydroxamic acid group, sulfino group, hydrazino group, heterocyclic group, trialkylsilyl group or triarylsilyl group, and R<sup>6</sup> and R<sup>7</sup>, R<sup>6</sup> and R<sup>8</sup> or/and R<sup>7</sup> and R<sup>9</sup> may form condensed rings; m<sup>1</sup>, m<sup>2</sup>, m<sup>3</sup>, and m<sup>4</sup> each represent the number of R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> and independently represent an integer of 0 to 3; in a case where each of m<sup>1</sup>, m<sup>2</sup>, m<sup>3</sup>, and m<sup>4</sup> is an integer of 2 or greater, plural R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> may be different from each other and further, a group of R<sup>6</sup>, a group of R<sup>7</sup>, a group of R<sup>8</sup>, and a group of R<sup>9</sup> may join to each other to form a condensed ring structure; Q1, Q2, and Q3 each represent independently -  $(CR^1R^2)_{n1}$ , -O  $(CR^1R^2)_{n1}$ O-, -  $(O)_{n2}$ C (=O)  $(O)_{n3}$ -, oxygen atom, sulfur atom, - $NR^{3}-, -BR^{3a}-, -S \ (=O)-, -SO_{2}-, -O \ (SO_{2}) \ O-, -Si \ (R^{4}R^{5})-, -OSi \ (R^{4}R^{5}) \ O-, -C \ (=CR^{a}R^{b})-, or \ a$ single bond providing that Q1, Q2, and Q3 do not represent single bond simultaneously; R1 and R<sup>2</sup> in Q<sup>1</sup>, Q<sup>2</sup>, and Q<sup>3</sup> each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or alkoxy group; n1 represents an integer of 1 to 3 and n2 and n3 each represent

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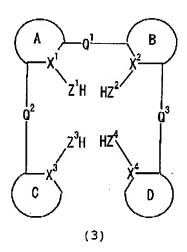
NO. 8167 P. 12/18

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independently an integer of 0 or 1;  $R^3$  represents hydrogen atom, alkyl group, aralkyl group, or aryl group, and  $R^{3a}$  represents alkyl group, aralkyl group or aryl group;  $R^4$  and  $R^5$  each represent independently alkyl group, aralkyl group or aryl group;  $R^a$  and  $R^b$  each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or cyano group;  $R^1$  and  $R^2$ ,  $R^4$  and  $R^5$ , or  $R^a$  and  $R^b$  may join to each other to form a ring which may contain a hetero atom in the ring together with atoms substituted with each of them; two of  $X^1$ ,  $X^2$ ,  $X^3$ , and  $X^4$  represent nitrogen atoms coordination bonded to the platinum atom and the remaining two of them represent carbon atoms; and two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ , and  $Z^4$  represent coordination bonds, and the remaining two of them represent covalent bonds, oxygen atoms or sulfur atoms).

- 9. (Original) A light-emitting device according to claim 8, wherein the light-emitting device is an organic electroluminescence device.
- 10. (Previously presented) A light-emitting device according to claim 8, wherein the platinum complex contained in at least one layer may function as a doping material in the light-emitting layer of the organic electroluminescence device.
- 11. (Currently amended) A compound represented by the following general formula (3):



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(wherein two rings of ring A, ring B, ring C, and ring D represent nitrogen-containing heterocyclic rings which may have substituent(s) and the remaining two rings of them represent aryl rings or hetero aryl rings which may have substituent(s), the ring A and the ring B, the ring A and the ring C or/and the ring B and the ring D may form condensed ring, and each of the rings and Q1, Q2, and Q3 to be described below may form a condensed ring (excluding the case where  $Q^1$ ,  $Q^2$ , and  $Q^3$  are oxygen atoms and sulfur atoms); two of  $X^1$ ,  $X^2$ ,  $X^3$ , and  $X^4$  represent nitrogen atoms and remaining two of them represent carbon atoms or nitrogen atoms; Q1, Q2, and Q<sup>3</sup> each represents independently  $-O(CR^1R^2)_{n1}O_{-}$ ,  $-(O)n_2C$  (=O) (O)  $n_3$ -, oxygen atom, sulfur atom, -  $NR^3$ -, - $BR^{3a}$ -, -S(=0) -, - $SO_2$ -, -O(SO2)O-, - $Si(R^4R^5)$  -, - $OSi(R^4R^5)O$ -, [[or]] -C $(=CR^aR^b)$  -, (where  $R^1$  and  $R^2$  each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or alkoxy group; n1 represents an integer of 1 to 3, and n2 and n3 each represent independently an integer of 0 or 1; R3 represents hydrogen atom, alkyl group, aralkyl group, or aryl group, and R3a represents alkyl group, aralkyl group or aryl group; R4 and R5 each represent independently alkyl group, aralkyl group, or aryl group; Ra and Rb each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or cyano group; R1 and R2, R4 and R5, or Ra and Rb may join to each other to form a ring which may contain a hetero atom in the ring together with atoms substituted with each of them); Q<sup>1</sup>, Q<sup>2</sup>, and Q<sup>2</sup> each represent independently a bivalent atom (group) or a single bond providing that Q1, Q2, and Q3 do not represent single bond simultaneously; in a case where X1, X2, X3, and X4 are nitrogen atoms capable of coordination bond,  $Z^1H$ ,  $Z^2H$ ,  $Z^3H$ , and  $Z^4H$  bonded thereto are not present, in a case where  $X^1$ ,  $X^2$ ,  $X^3$ , and  $X^4$  are carbon atoms,  $Z^1$ ,  $Z^2$ ,  $Z^3$ , and  $Z^4$  bonded thereto represent covalent bonds, oxygen atoms or sulfur atoms and, in a case where  $X^1$ ,  $X^2$ ,  $X^3$ , and  $X^4$  are nitrogen atoms capable of covalent bond,  $Z^1$ ,  $Z^2$ ,  $Z^3$  and  $Z^4$  bonded thereto represent covalent bonds).

## 12. (Canceled)

13. (Previously presented) A compound according to claim 11, wherein two rings of the ring A, ring B, ring C and ring D of the compound represented by the general formula (3) are 5-membered or 6-membered nitrogen-containing heterocyclic rings which may

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have substituent(s), and one or two 5- or 6-membered aromatic hydrocarbon rings or aromatic heterocyclic rings may be condensed to said rings to form condensed rings.

- 14. (Previously presented) A compound according to claim 11, wherein two rings of the ring A, ring B, ring C, and the ring D of the compound represented by the general formula (3) are nitrogen-containing heterocyclic rings which may have substituent(s), selected from the group consisting of a pyridine ring, diazine ring, triazine ring, pyrrole ring, diazole ring, triazole ring, thiazole ring, thiadiazole ring, oxazole ring, oxadiazole ring, benzopyridine ring, benzothiazine ring, and benzopyrrole group which may have substituent(s) respectively.
- 15. (Previously presented) A compound according to claim 11, wherein two rings of the ring A, ring B, ring C, and ring D of the compound represented by the general formula (3) are nitrogen-containing heterocyclic rings which may have substituent(s) and the remaining two rings are 6-membered aromatic hydrocarbon rings or aromatic heterocyclic rings, or 5-membered aromatic heterocyclic rings which may have substituent(s), which are aryl rings or heteroaryl rings where one or two 5- or 6-membered aromatic hydrocarbon rings or aromatic heterocyclic rings may be condensed to said rings to form condensed rings.
- 16 (Previously presented) A compound according to claim 11, wherein two rings of the ring A, ring B, ring C, and ring D of the compound represented by the general formula (3) are nitrogen-containing heterocyclic rings which may have substituent(s) and the remaining two rings are aryl rings or heteroaryl rings which may have substituent(s), selected from benzene ring, pyridine ring, diazine ring, triazine ring, pyrrole ring, diazole ring, furan ring, thiophene ring, oxazole ring, and thiazole ring which may have substituent(s) respectively, or condensed rings where one or two 5- or 6-membered aromatic hydrocarbon rings or aromatic heterocyclic rings are condensed to said rings.
- 17. (Previously presented) A compound according to claim 10 represented by the following general formula (4):

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$$(R^{6}) m^{1}$$
 $Z^{1}H HZ^{2}$ 
 $Z^{3}H HZ^{4}$ 
 $(R^{9}) m^{3}$ 
 $(R^{9}) m^{4}$ 

(wherein R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> each represent independently alkyl group, halogenated alkyl group, aralkyl group, alkenyl group, alkynyl group, aryl group, amino group, mono- or di-alkyl amino group, mono- or di-aralkyl amino group, mono- or di-aryl amino group, alkoxy group, alkenyloxy group, aralkyloxy group, aryloxy group, heteroaryloxy group, acyl group, alkoxycarbonyl group, aryloxycarbonyl group, acyloxy group, acylamino group, alkoxycarbonylamino group, aryloxycarbonylamino group, aralkyloxycarbonylamino group, sulfonylamino group, sulfamoyl group, carbamoyl group, alkylthio group, aralkylthio group, arylthio group, heteroarylthio group, alkanesulfonyl group, arenesulfonyl group, alkanesulfinyl group, arenesulfinyl group, ureido group, substituted phosphoramidate group, hydroxyl group, mercapto group, halogen atom, cyano group, sulfo group, carboxyl group, nitro group, hydroxamic acid group, sulfino group, hydrazino group, heterocyclic group, trialkylsilyl group or triarylsilyl group, and R<sup>6</sup> and R<sup>7</sup>, R<sup>6</sup> and R<sup>8</sup> or/and R<sup>7</sup> and R<sup>9</sup> may form condensed rings; m<sup>1</sup>, m<sup>2</sup>, m<sup>3</sup>, and m<sup>4</sup> each represent the number of R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> and independently represent an integer of 0 to 3; in a case where each of m<sup>1</sup>, m<sup>2</sup>, m<sup>3</sup>, and m<sup>4</sup> is an integer of 2 or greater, plural R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> may be different from each other and further, a group of R<sup>6</sup>, a group of R<sup>7</sup>, a group of R<sup>8</sup>, and a group of R<sup>9</sup> may join to each other to form a condensed ring structure; Q<sup>1</sup>, Q<sup>2</sup>, and  $Q^3$  each represent independently -O (CR<sup>1</sup>R<sup>2</sup>)  $_{n1}O$ -, - (O)  $_{n2}C$  (=O) (O)  $_{n3}$ -, oxygen atom, sulfur atom,  $-NR^3$ -,  $-BR^{3a}$ -, -S (=0) -,  $-SO_{2}$ -, -O (SO<sub>2</sub>) O-, -Si ( $R^4R^5$ ) -, -OSi ( $R^4R^5$ ) O-, -Si ( $R^5R^5$ ) C (= $CR^aR^b$ ) -, or a single bond providing that  $Q^l$ ,  $Q^2$ , and  $Q^3$  do not represent single bond simultaneously; R<sup>1</sup> and R<sup>2</sup> in Q<sup>1</sup>, Q<sup>2</sup>, and Q<sup>3</sup> each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or alkoxy group; n1 represents an integer of 1 to 3 and n2 and

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n3 each represent independently an integer of 0 or 1;  $R^3$  represents hydrogen atom, alkyl group, aralkyl group, or aryl group, and  $R^{3a}$  represents alkyl group, aralkyl group or aryl group;  $R^4$  and  $R^5$  each represent independently alkyl group, aralkyl group or aryl group;  $R^a$  and  $R^b$  each represent independently hydrogen atom, alkyl group, aralkyl group, aryl group, or cyano group;  $R^1$  and  $R^2$ ,  $R^4$  and  $R^5$ , or  $R^a$  and  $R^b$  may join to each other to form a ring which may contain a hetero atom in the ring together with atoms substituted with each of them; two of  $X^1$ ,  $X^2$ ,  $X^3$ , and  $X^4$  represent nitrogen atoms and the remaining two of them represent carbon atoms; two of  $Z^1$ ,  $Z^2$ ,  $Z^3$ , and  $Z^4$  represent coordination bonds, and the remaining two of them represent covalent bonds, oxygen atoms or sulfur atoms; and H represents a hydrogen atom).